



PhoenixTS

301-258-8200 | Sales@PhoenixTS.com | www.PhoenixTS.com

[View Full Course Details including Latest Schedule Online](#)

PHOENIX TS

Introduction to JavaScript

Course Overview

Price: \$1800

2-Day Course Includes:

- Class exercises in addition to training instruction
- Courseware books, notepads, pens, highlighters and other materials
- Full breakfast with variety of bagels, fruits, yogurt, doughnuts and juice
- Course retake option
- Tea, coffee, and soda available throughout the day
- Freshly baked cookies every afternoon - *only at participating locations

For group training options, call us at **(240) 667-7757** or email promo@phoenixts.com.

Schedule

Course Outline

Lesson 1: Diving into Objects and OOP Principles

- Creating and Managing Object Literals .
- Defining Object Constructors
- Using Object Prototypes
- Using Classes
- Beginning with Object-Oriented JavaScript
- Checking Abstraction and Modeling Support
- Analyzing OOP Principles Support in JavaScript



Lesson 2: Working with Encapsulation and Information Hiding

- Setting up Strategies for Encapsulation and Information Hiding
- Using the Meta-Closure Approach
- Using Property Descriptors
- Implementing Information Hiding in ES6 Classes

Lesson 3: Inheriting and Creating Mixins

- Implementing Objects, Inheritance, and Prototypes
- Using Class Inheritance
- Controlling Inheritance
- Implementing Multiple Inheritance
- Creating and Using Mixins

Lesson 4: Defining Contracts with Duck Typing

- Managing Dynamic Typing
- Defining Contracts and Interfaces
- Implementing Duck Typing
- Comparing Duck Typing and Polymorphism

Lesson 5: Advanced Object Creation

- Mastering Design Patterns, Object Creation, and Singletons
- Implementing an Object Factory
- Exploiting the Builder Pattern

Lesson 6: Working with Data

- Managing User Interfaces
- Implementing Presentation Patterns
- What is Data Binding?
- Implementing Data Binding
- Applying the Publish/Subscribe Pattern



Lesson 7: Asynchronous Programming and Promises

- Is JavaScript Asynchronous?
- Writing Asynchronous Code
- Introducing Promises

Lesson 8: Organizing Code

- Taking Control of the Global Scope
- Creating Namespaces
- Organizing Code with the Module Pattern
- Loading the Module
- Using the ECMAScript 2015 Modules

Starting at \$1,800

ATTENTION

Government Employees & Government Contractors call 240.667.7757 for GSA Pricing.





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Price Match Guarantee

We'll match any competitor's price quote. Call us at 240-667-7757.

Included in this **Introduction to JavaScript**

- 2 days instructor-led training
- Introduction to JavaScript training book
- Notepad, pen and highlighter
- Variety of bagels, fruits, doughnuts and cereal available at the start of class*
- Tea, coffee and soda available throughout the day*
- Freshly baked cookies every afternoon*